

ABSTRACT OF THE DISCLOSURE

A voltage supplying device comprises a reference voltage generating circuit, a first impedance conversion circuit for performing the impedance conversion on a reference voltage, a digital-analogue converter (DAC) and a second impedance conversion circuit for performing the impedance conversion on a voltage from the DAC. A first switching element is provided between the output of the second impedance conversion circuit and the load capacitance. A first bypass line is provided for bypassing the second impedance conversion circuit and the first switching element, and a second switching element is provided on the bypass line. In the first period of the charging period, the output of the second impedance conversion circuit is supplied to the load capacitance. In the second period of the charging period, the output of the DAC is supplied to the load capacitance. Third and fourth switching elements and a second bypass line are provided in the first impedance conversion circuit and the second bypass line is used at least in the last stage of the second period.